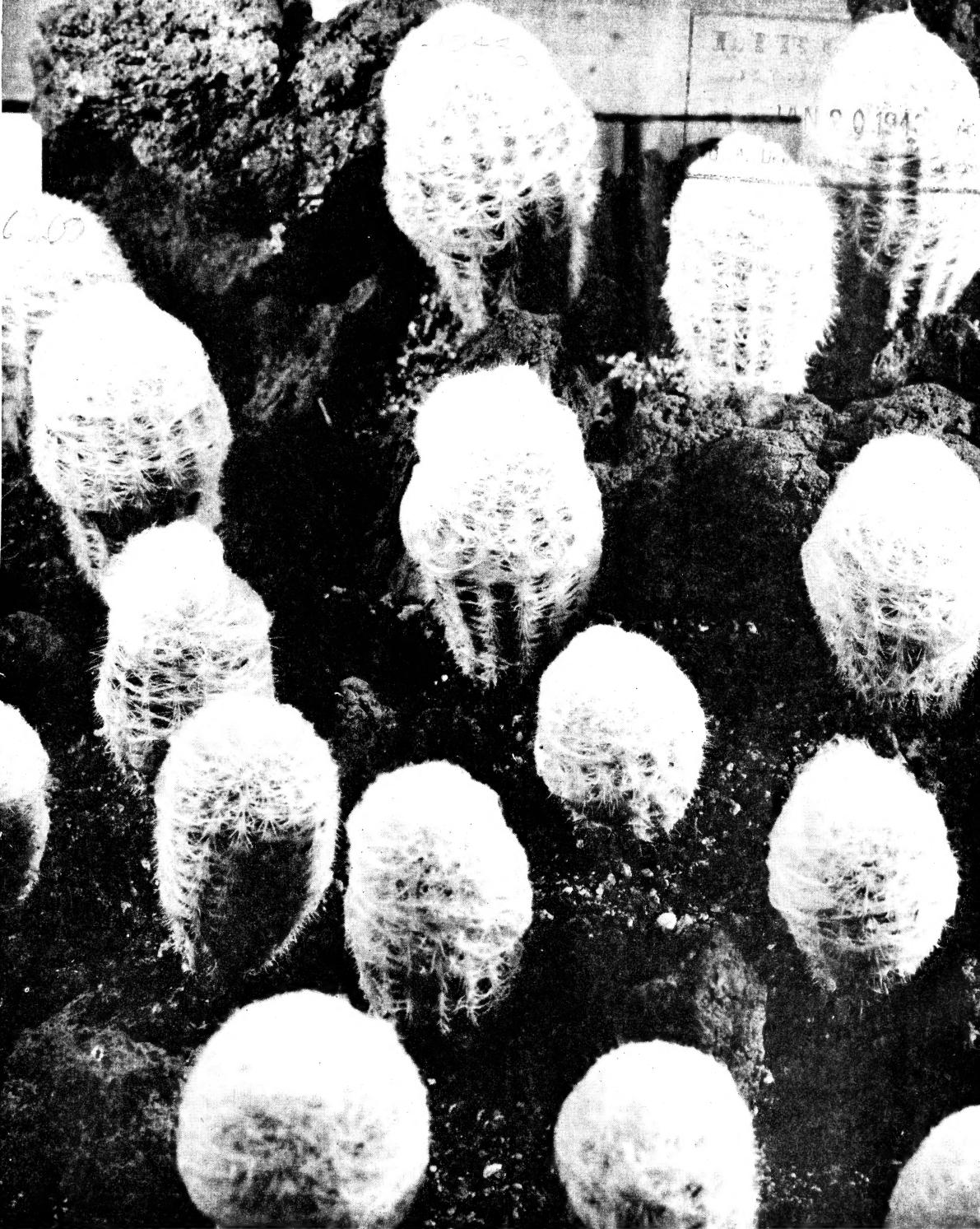


## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.





Cephalocereus melanostele seedlings.

R. W. Kelly

2410 La Rosa Drive, Temple City, California

# CACTI AND SUCCULENTS

## 1943 PRICE LIST

Cacti will be found in alphabetical order according to first name (genus), in the first 11 pages of this catalog. Succulents will be found on pages 11 to 18. Please use the order blank on page 21.

The price of this catalog is 10 cents deductible from your first order of \$1 or more.

### CACTI

*ACANTHOCALYCIUM thionanthum.* Dark green body with black spines which are red when young .50  
*A. violaceum.* Brownish spines; violet flowers .20, flowering size .50

*ACANTHOCEREUS maculatus.* 3 angled stems, brownish color dotted with grey spots \$1.00

*ANCISTROCACTUS scheeri.* Flowers yellow .20

*APOROCACTUS conzatti.* A faster growing "Rat Tail" cactus than the following. Flowers larger .35

*A. flagelliformis.* The "Rat Tail Cactus" .35

*ARIOCARPUS fissuratus.* The Texas "Living Rock." Pinkish flowers .25

*ARTHROCEREUS microsphaericus.* Grafted .50

*A. mirabilis.* Long tubed flowers. Seedlings .50

*ASTROPHYTUM asterias.* "Sea Urchin Cactus." Dark green, dotted with tufts of wool, spineless .50

*A. capricorne aurea.* Has yellow spines on the older plants. Small .25, larger specimens .50

*A. capricorne major.* Curled brownish spines .25

*A. capricorne minor.* Smaller with weaker spines. 25

*A. capricorne senilis.* Longer tortuous spines .25

*A. myriostigma coahuilense.* Has a whiter body than the others .25, larger .35, flowering size .75

*A. myriostigma columnaris.* Tallest of all .35

*A. myriostigma potosina.* The "Bishop's Cap." Nice seedlings .20, flowering size .75

*A. myriostigma tamaulipensis.* .25, flowering size .75

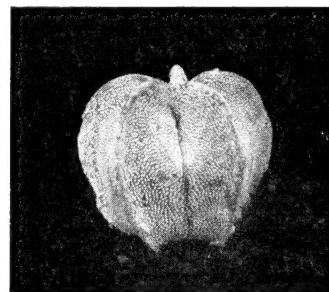
*C. melanostele.* White, woolly .30

*C. senilis.* "Old Man Cactus." Pure white bristly hair .25 and .35. Larger specimens \$1.00 to \$2.00

*CEREUS* hybrid seedlings for grafting stock 3 to 4 inches in height \$1.00 per 10 plants, one plant .15

*C. hybrida monstrosa.* A monstrose form making odd irregular growths. Small .25, larger .50

*C. variabilis.* .20



*Astrophytum myriostigma v. potosina*

*CHAMAECACTUS silvestrii.* The "Peanut Cactus" .15

*CLEISTOCACTUS.* A slender columnar type.

*C. baumanii.* "Scarlet Bugler." Small .20, larger .35

*C. buchtienii.* Reddish brown spines, red flowers .50

*C. smaragdiflorus.* Flower tipped with green .75

*C. straussii.* "Silver Torch." Erect showy plants with bristly spines .20, large ones \$1.00

*CONSOLEA rubescens.* Grows treelike with chocolate brown pads nearly spineless .35

*C. spinosissima.* Dense whitish spines .50

*COPIAPOA cinerea.* Grayish green with yellowish spines. Small grafted ones \$1.00, larger specimens grafted \$2.00

*CORRYOCACTUS MELANOTRICHUS.* From the high Andes. Small .30, larger branched plants .60

*CORYPHANTHA.* Globular or cylindric type, particularly well adapted to pot culture.

*C. andreae.* Dark green, rounded tubercles, flowers large yellow .25

*C. asterias.* Tubercles pointed, flowers pinkish .25

*C. bergeriana.* .25

*C. bumamma.* Round tubercles, flowers yellow .25

*C. clava.* Elongated, yellowish spines and flowers .40

*C. cornifera.* Tubercles somewhat overlapping like a pine cone, flowers yellow .50

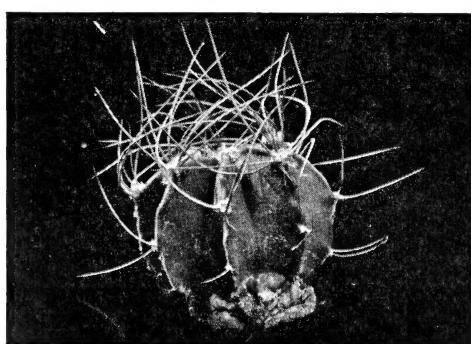
*C. dyckiana.* .50

*C. echinoidea.* Small growing, flowers rose-colored .25

*C. elephantidens.* Rose red flowers .40

*C. erecta.* Grows taller, branching at base .35

*C. georgii.* Purplish body when young. Yellow flowers .35



*Astrophytum capricorne var. aurea*

*A. myriostigma tetragona.* Usually four angled .20, flowering size .75

*A. ornatum.* "Star Cactus." Yellowish brown spines .25, larger .75

*BINGHAMIA chosicensis.* Yellow spines .25

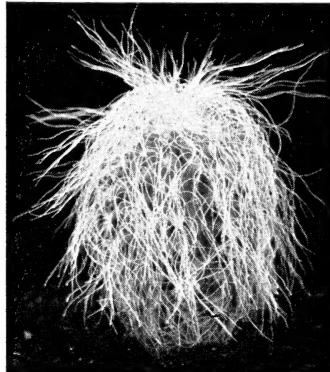
*B. climaxantha.* A new Peruvian species .35

*CARNEGIEA gigantea.* "Arizona Giant Cactus." Small seedlings .25, larger .40

*CEPHALOCEREUS hoppenstedtii.* Bristly spines .40

*C. gladioliflora* .25  
*C. jaumevei* .30  
*C. nicelsae*. Flowers yellow with red center .50  
*C. ottonis*. Grayish-green, white flowers .50  
*C. pallida*. Short thick tubercles, flowers yellow .50  
*C. palmeri*. Light yellow recurved central spines .60  
*C. schwarziana* .40  
*C. scolymoides*. From Central Mexico .35  
*C. valida* .40  
*C. vanpeliana* .25

DENMOZA *erythrocephala*. Globular when small, with age forms tall "barrel type." Seedlings .25



*Cephalocereus senilis*

ECHINOCACTUS. Sturdy "Barrel Cactus."

*E. grusonii*. The "Golden Barrel." Has light green body covered with golden yellow spines. 1½ inch .35, larger specimens \$1.00. Prices on large show specimens quoted on request.

*E. horizonthalonius*. A flattened Texas species .20

*E. ingens*. Seedlings .25. Field grown specimens three to four inches across \$1.00

ECHINOCEREUS. The "Hedgehog Cactus."

*E. amoenus*. Small flattened stems seldom branching, flowers magenta, grafted .75

*E. armatus*. Mexican species similar to *E. pectinatus* .25

*E. blanckii*. Slender trailing stems, flowers purple .25

*E. boyce-thompsonii* .20

*E. cinerascens*. Ash colored spines, flowers purple .30

*E. conglomeratus* .25

*E. dasycanthus*. The Texas "Rainbow Cactus." Flowering size plants .50

*E. ehrenbergii*. Bright green stems, white spines .50

*E. engelmannii*. Colorful spines of many variations. Magenta or purplish flowers. Single stemmed plants .25, larger branched ones .50, flowering size .75

*E. fendleri*. Sturdy grower, flowers deep purple .35

*E. fitchii*. Flowers pink .25

*E. knippeleanus*. Blackish green nearly spineless stems, flowers pink .50 each, grafted specimens \$1.00

*E. pectinatus*. Flowers ruffed pink .75

*E. pentalophus*. Slender procumbent. Flower purple .25

*E. reichenbachii*. "Lace Cactus." Large pink flowers .25

*E. rigidissimus*. Arizona "Rainbow Cactus" .75

ECHINOPSIS COLLECTION. Six named plants of the free flowering kinds. Our selection \$1.75

*E. salm-dyckianus*. Orange colored flowers which last nearly a week and remain open at night. Rare \$1.00

*E. scheeri*. Slender with long tubed flowers of deep pink, also stays open at night. Rooted .20

*E. species nova*. From Sonora, Mexico, grows in small clusters. Flowers yellow .50, clusters .75

ECHINOPSIS or "EASTER LILY CACTUS." Flowers extremely large. Easiest of all cactus to grow.

*E. ancistrophora*. Rich dark green with large white flowers, faintly fragrant .40, 2 inch specimens \$1.00

*E. bridgesii*. Short columnar, flower large white .25

*E. calochlora*. Shiny golden green color. Flower white. Small plants .25, larger .50

*E. campylacantha* .25

*E. eyresii*. Sturdy with very short spines and white fragrant flowers .25, larger .35, flowering size .75

*E. hamatacantha*. A small growing one with an attractive flower tinged with pink .25, larger flowering size \$1.00

*E. huottii*. Short columnar type from Bolivia. Flowers large, white in center, pink outside. Large \$1.00

*E. leucantha*. Sturdy plant with long black spines. Flower purplish on outer petals, inner ones white .25

*E. leucorhodantha*. Flowers pink and white .50

*E. lobivioloides* .20

*E. multiplex*. Producing large pink, fragrant flowers throughout summer. Small plants .15, big ones .50

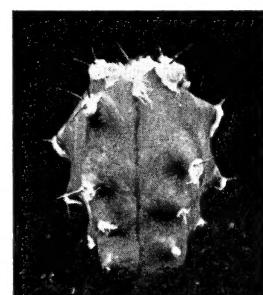
*E. rhodotricha* var. *robusta*. Dark gray green body growing quite large. Flowers white. Strong plants. Flowering size .75

*E. vestrii*. Globular with whitish spines .40

*E. hybrid cascade*. Flowers very large, white tinged with pink .35, flowering size \$1.75

*E. hybrid ducor*. Flower pink .35, flowering size \$1.75

*E. "Heavenly Twins" hybrid*. Bears large double pink flowers .50, flowering size \$1.00



*Echinocactus ingens*

*E. hybrid makla*. Free flowering, with medium size orchid pink blossoms .35, flowering size \$1.75

*E. "Rosed" hybrid*. Dark green with rose pink flowers .50

*E. hybrid splendora*. Large deep pink flowers shading paler toward center .35, flowering size \$1.00

*E. unnamed seedling hybrids*. Five vigorous seedlings \$1.00. Flowering size shipped with buds during summer \$1.00

November 17, 1942.

Plants arrived O.K. They sure were fine. Want to thank you for the fine stock. This was my first order from you, but I sure will be back again.

C. H. LEWIS, Kansas City, Mo.

## EPIPHYLLUMS OR ORCHID CACTI

Bearing the most beautiful flowers of all plants and well deserving the name "Orchid Cacti," their exotic blossoms range in color from purest white to flashy shades of carmine, cerise and purple, through a wide range of intermediate blended shades of creamy yellow, soft pinks and cool violets. They vary in size from the three inch clustering type to the giant ten inch flowers of many large varieties.

Rooted cuttings are about 6 inches long. Medium size plants bear two to several branches—some may bloom this year. Specimen plants are 2 to 3 feet high with exception of dwarf types and will bloom this year. Plants will be shipped in bud if ordered in time for March or April delivery, or the late bloomers May or June.

Specimen size plants are NOT PREPAID, but will be shipped express collect. Smaller sizes are prepaid.

### HYBRIDS

**ACKERMANNII.** Small light red flower. Earliest to bloom. Specimen \$4.00, medium \$1.00, rooted cut .25

**A. D. HOUGHTON.** Large rounded petals of scarlet, inner ones flame-color bordered with violet. Specimen plant \$4.00, medium size \$1.50, rooted cutting .35

**AGATHA** (syn. Peach Blow). Pink with crimson center. Specimen \$4.00, medium \$1.00, rooted cutting .25

**AMBER QUEEN.** 8-inch flower, outer petals flame red, inner ones orange red edged with violet, center amber. Specimen \$4.00, medium \$1.25, rooted cutting .25

**AUTUMN.** Erect triangular stems. Flowers many petaled red, orange tinged. Specimen \$4.00, medium \$2.00, rooted cut .35

**BELLA.** Bell-shaped soft pink, wavy incurved petals. Specimen \$4.00, medium \$1.50, rooted cut .25

**BOHEMIENNE.** Three toned salmon pink. Specimen \$4.00, medium \$1.50, rooted cuts .25

**CANTABILE.** Large deep pink. Specimen \$4.00, medium \$1.50, rooted cut .35

**CONWAY'S GIANT.** Unusually large, deep red and purple blossoms. Specimen \$4.00, medium \$1.50, rooted cut .40

**DANTE.** Large flower, outer petals orange red, inner ones red violet. Specimen \$4.00, medium \$1.50, rooted cutting .35

**DELICIOSA.** Basket type plant. Flowers clear pink; outer petals erect; center bell shaped. Specimen \$4.00, medium \$1.00, rooted cut .35

**DESERT SUNRISE.** Medium size flower, outer petals scarlet, inner ones orange-red edged with violet. Specimen \$4.00, medium size \$1.25, rooted cut .25

**DEUTSCHE KAISERIN.** Tubular dainty pink flowers. Hanging basket type, blooms profusely for about two weeks. Specimen \$3.00, medium size \$1.00, rooted cut .25

**EDEN.** Large fragrant flowers, outer petals bronze, next yellow, innermost white. Specimen \$5.00, medium \$1.75, rooted cut .50

**FAIRYLAND.** Violet magenta with bluish cast and light salmon center stripe, center petals bear a white stripe near base forming a star. Medium \$3.00, rooted cut .75

**FIESTA.** Outer petals orange shading to scarlet, inner ones orange-scarlet bordered with violet. Fragrant. Specimen \$4.00, medium \$1.50, rooted cut .35

**FLAMINGO.** Rich orange with magenta center shading to pink. Specimen \$4.00, medium \$1.50, rooted cut .35

**GARNET.** Deep garnet red with purplish throat. Specimen \$4.00, medium \$2.00, rooted cut .35

**GLORIA.** 8 to 9-inch flowers varying from apricot to orange or reddish according to growing conditions. Specimen \$4.00, medium \$1.00, rooted cut .25

**GLORIOSA.** Large flat flower of varying shades of apricot with a deep cerise base. Medium \$2.50, rooted cut .75

**HANS REHM.** Dark red on outer petals, inner petals orange shading to red and bordered with a violet stripe. Specimen \$4.00, medium \$1.50, rooted cut .25

**HERMOSISSIMUS.** Scarlet and crimson with violet edges and an orange central stripe. Specimen \$4.00, medium \$1.50, rooted cut .25

**JENKINSONII.** Bright orange red with violet eye. Specimen \$4.00, medium \$1.50, rooted cut .35

**JOSEPH DE LAET.** Medium flower, outer petals scarlet, the next row scarlet and violet, inner ones orchid with a central salmon stripe. Specimen \$5.00, medium \$2.00, rooted cut .50

**LADY IRENE.** Fragrant pale flesh pink flowers. Specimen \$5.00, medium \$2.00, rooted cuts .50

**LATONA.** Flowers deep pink shading to violet. Specimen \$4.00, medium \$1.50, rooted cuts .25

**LOHENGRIN.** Flowers bell-shaped of deep pink with darker rose center. Specimen \$4.00, medium \$1.50, rooted cuts .35

**LONDONI.** White with considerable amount of yellow in outer petals. Rooted cuts .50

**MADAM SALLIER.** Flowers light pink with darker center stripe. Rooted cuts .25

**MARSELLAISE.** Deep red outer petals, inner petals slightly cupped with a center stripe of deep red-violet, shading to lavender and edged in white. Specimen \$6.00, medium \$3.00, rooted cut .50

**MAUVETTE.** Eight-inch flowers of mauve or light magenta. Specimen \$4.00, medium \$2.00, rooted cut .25

**MON CHERIE.** Pencilled red stripes on a yellow background. Specimen \$5.00, medium \$1.50, rooted cut .50

**MONTEZUMA.** Cup and saucer type with a combination of amber, orange, pink and violet towards the center. Specimen \$4.00, medium \$1.50, rooted cut .35

**MOONRISE.** Petals white tipped with yellow; outer ones amber. Specimen \$5.00, medium \$1.75, rooted cuts .50

**NIOBE.** Flowers deep scarlet tinged with violet. Good hanging basket plant. Specimen \$4.00, medium \$2.00, rooted cut .35

**ORIOLE.** 10 to 11-inch white and yellow. Rooted cut .25

**PADRE.** Dainty, waxy, shell-pink blossoms. Specimen \$4.00, medium \$1.50, rooted cut .25

**PEACOCKII.** Carmine red shading to luminous violet center. Specimen \$4.00, medium \$1.50, rooted cut .35

**POINSETTIA.** A hanging basket type. Bright scarlet flowers. Specimen \$2.50, medium \$1.00, rooted cut .35

**PROFESSOR EBERT.** Solid violet carmine color. Specimen \$4.00, medium \$1.50, rooted cut .35

**ROSE PINK.** Beautiful rose pink flowers. Specimen \$4.00, medium \$2.00, rooted cuts .35

**ROSETTA.** Tubular type of deep rose or pink magenta. Specimen \$4.00, medium \$1.50, rooted cut .25

**SCARLET GIANT.** Wide, orange-scarlet flower. Specimen \$4.00, medium \$1.25, rooted cut .25

**SCHEHERAZADE.** Sturdy grower with magenta pink flowers. Formerly called magenta. Medium \$2.00, rooted cut .25

**SUNBURST.** Burnt orange-red with a deep violet center. Specimen \$4.00, medium \$1.50, rooted cut .35

**TULIP.** Brilliant red tulip shaped flower of satiny luster. Specimen \$4.00, medium \$1.00, rooted cuts .25

**VALENCIA.** Wavy stems, bright orange flowers. Specimen \$5.00, medium \$2.50, rooted cut .35

**VIVE ROUGE.** Bright scarlet with a violet throat. Specimen \$3.00, medium \$1.00, rooted cut .25

**VIVIANA.** Crimson red, inner petals edged with violet. Specimen \$4.00, medium \$1.00, rooted cut .25

**WANDA.** Two tone salmon. Specimen \$4.00, medium \$1.50, rooted cut .35

**WILLIAM DE LAET.** Ranges from vivid Chinese red, lacquered outer petals to violet-purple center petals. Specimen \$5.00, medium \$1.50, rooted cut .35

*E. macropterum.* Specimen \$4.00, medium \$1.50, rooted cut .50

*E. oxypetalum.* Cup shaped, fragrant. Medium \$2.50, rooted cut .40

*E. pittieri.* A Costa Rican species. Specimen \$4.00, rooted cut .35

*E. strictum.* White narrow petaled flowers; pistil crimson. Specimen \$3.00, medium \$1.00, rooted cut .35

Specimen size plants are NOT PREPAID. Rooted cuts and medium size will be sent by parcel post prepaid.

In addition to the gorgeous selections offered above we have scores of new and equally desirable kinds under propagation. Ask for special list ready about March.

#### EPIPHYLLUM COLLECTIONS

Ten select rooted cuttings of our selection covering a good color range \$3.00; ten fine medium size plants our selection \$12.50.

#### EPIPHYLLUM SEED

A mixture of large flowering sorts in a wonderful color range. These hybrids are not identical with their parents, but will give a great variety of forms and colors. Thus are new kinds created, a fascinating pastime for those who have time and space to grow them. Per packet .10, per 100 seeds .40

**EPITHELANTHA micromeris.** "Button Cactus" is smallest of all cacti. Tiny pinkish flowers followed by brilliant red fruits.

*E. micromeris* var. *gregii*. Larger growing .35

*E. micromeris* var. *tuberosus*. Tuberous roots when older .25

*E. micromeris* var. *ungispinus* .25

**ERIOCEREUS bonplandii.** The fastest growing and most robust of all, also the largest flowers .20

*E. guelichii.* Flowers pink tinged, fragrant .25

*E. martinii.* Profuse bloomer. Seedlings .20, larger .50

*E. pomanensis.* Rare one from Argentina .50

*E. pomanensis* var. *grossei*. Small plants .25

*E. regelii.* Flowers deeply tinged with pink .20

*E. tortuosus.* Has stouter, heavily armed branches .25

**ESCOBARIA runyonii.** Short globular plants usually forming clusters. Seedlings .30

*E. durispina.* White spined .20

**ESPOSTOA lanata.** "Snow Ball Cactus." Plant covered with pure white wool. Seedlings .20, larger .75

*E. lanata* var. from Marañon Valley, stronger growing and more spiny than the above .25, five inch .50

**FACHEIROA blossfeldiora** (syn. *Thrixanthocereus*) see Cactus Journal of April, 1938. Seedlings .20

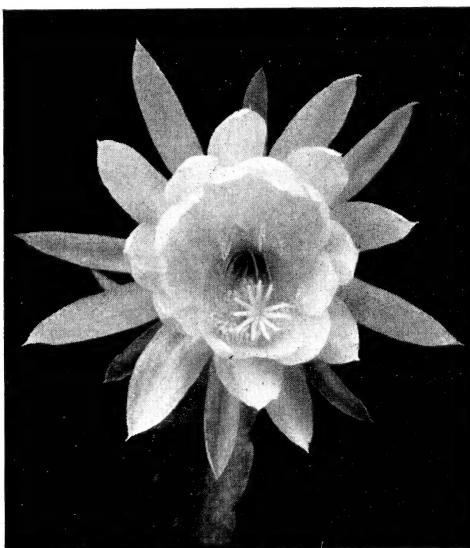
*F. ulei.* Golden spined, Brazilian, columnar species .50

**FEROCACTUS.** "Barrel Cactus" are globular or elongated after great age, heavily armed with attractive spines.

*F. acanthodes.* "California Fire Barrel." Reddish spines. Small .50, five inch specimens .75 (not post-paid). Large exhibition specimens can be supplied if desired. Seedlings .25

*F. alamosanus.* Spines reddish, fast growing .50

*F. covillei.* "Arizona Barrel Cactus." Long stiff reddish gray spines .50, three to four inch \$1.00



Epiphyllum Eden

#### THE FOLLOWING TRUE SPECIES ARE ALL WHITE AND NIGHT BLOOMING

**EPIPHYLLUM anguliger.** Stems angularly notched. Known as "Fishbone Cactus." Flowers yellowish white. Specimen \$4.00, medium \$1.50, rooted cut .35

*E. crenatum.* Large, white fragrant flowers. Specimen \$4.00, medium \$1.50, rooted cut .25

*E. grandilobum.* Specimen \$4.00, medium \$1.50, rooted cut .35

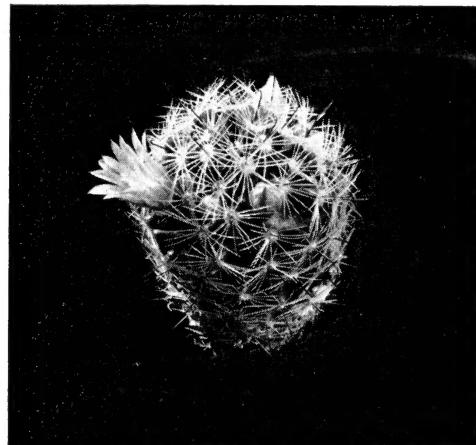
*E. guatemalense.* Specimen \$4.00, medium \$1.50, rooted cut .35

*E. lepidocarpum.* Medium \$2.00, rooted cut .50

**EPIPHYLLUM COLLECTION.** Three specimen plants in bud; our selection, different colors, guaranteed to flower for \$8.00. Order early for delivery between April first and July first.

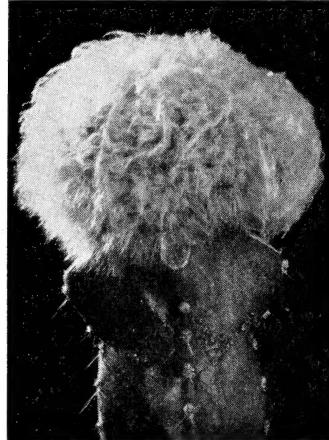
*F. echidne.* Long yellow spines, small ones .25  
*F. horridus.* Each .50  
*F. latispinus.* "Devil's Tongue Cactus." Wide flat recurved spine which may be yellowish or red. Nice seedling plants .25  
*F. macrodiscus.* Seedlings .20  
*F. melocactiformis* (syn. *F. electracanthus*). Long yellowish spines, very attractive .35  
*F. stainesii.* Pretty Mexican species .35  
*F. viridescens.* Native to California. Colorful reddish spines. Smallest of all Ferocactus .25  
*F. wislizenii.* Sturdy, from Arizona. Seedlings .20  
**FRAILEA.** "Midget Cacti." Smallest growing of the cactus family. Small flowers are yellow.  
*F. dadakii* .25, *F. grahliana* .25, *F. gracillima* .25, *F. pumila* .20  
**GYMNOCALYCIUM.** South American cacti, globular or flattened, ribs raised into protuberances, pointed below as in a chin, called "Chin Cacti."  
*G. anisitsii.* Flowers large white, large field grown specimens \$1.50, seedlings .25  
*G. bodenbenderianum* .35  
*G. damsii.* Seedlings .20  
*G. denudatum.* Flower white or pinkish .75  
*G. fleischerianum* .25  
*G. gibbosum.* Field grown flowering size \$1.50, small .25  
*G. gibbosum* var. *schlumbergeri.* Seedlings .40  
*G. lafaldense.* Dwarf species with harmless gray spines, flowers pink .35  
*G. loricatum.* Large, heavy drooping spines .25  
*G. mihanovichii.* Small growing with dark green body with maroon markings. Odd green flowers. Seedlings flower within a year from planting .45  
*G. multiflorum* .30  
*G. occultum.* Rare .45  
*G. queblianum.* White or pinkish flowers .35  
*G. saglione.* Large garden grown plants \$1.00, small .25  
*G. schickendantzii.* Beautiful heavily spined, odd flowers with blue tinge on outer petals .50  
*G. urselianum* .20  
*G. venturianum.* Red flowering species, easily grown .20  
**HAMATOCACTUS setispinus.** Easily grown Texas cacti, flower yellow with red center, followed by brilliant red fruits, flowering size .35, larger .50  
**HARIOTA salicornoides.** Short odd knobby or club-like branchlets growing one upon the other, often reddish, flowers salmon colored. Likes shade .50  
**HARRISIA brookii** .25  
*H. nashii* .25  
*H. portoricensis* .25  
**HELOCEREUS speciosus.** Erect triangular stems brilliant scarlet purple tinged wide flowers. Parent of most hybrid Epiphyllums. Good pot subject .35, medium .75, flowering size specimens \$2.00  
**HOMALOCEPHALA texensis.** Seedling .20  
**HYLOCEREUS.** Climbing, tropical, shade loving cacti, large white nocturnal flowers. Fast growing. We offer the following as unrooted cuttings or will root them to order for ten cents each additional.  
*H. antiguensis* .25  
*H. bronxensis* .50

*H. costaricensis* .25  
*H. cubensis* .50  
*H. Lemairei* .25  
*H. monacanthus* .25  
*H. Napoleonis* .25  
*H. ocamponis* .20  
*H. polyrhizus* .50  
*H. species nova* .35  
*H. triangularis* .20  
*H. trigonus* .20  
*H. undatus* "Honolulu Queen" .20



Mamillaria boedeckeriana .35

**LEMAIREOCEREUS.** Tall growing tree-like, from Mexico. Makes fine attractive specimens.  
*L. beneckii.* "Silver Tip." Grayish green skin with frosted white waxy covering. Short black spines, undulated ribs. Fast growing. Recommended highly. Sturdy plants .50, exhibition specimens \$1.00  
*L. chende* .50  
*L. chlorocarpus.* Rare .50  
*L. bollianus.* Seedlings .25  
*L. laetus.* Rare Peruvian .50  
*L. marginatus.* "Pipe Organ." Closely set short spines forms a distinct margin along the edges of the broad flattened ribs .25, larger .50  
*L. pruinosis.* Fast growing four or five angles later grayish or pruinose in color. Seedlings .20, large \$1.50  
*L. thurberi.* Brown spined .35  
*L. weberi.* Mexican giant .15  
**LEUCHTENBERGIA principis** "Agave Cactus." Long slender tubercles tipped with straw-like spines. Resembles Agave or "Century Plant." Flowers very large and yellow. Nice seedling plant .25  
**LOBIVIA.** Genus of small growing plants single headed or forming clusters. Colorful day blooming flowers. Most of these are offered as grafted plants.  
*L. allegriana.* Bright green body, scarlet flower .35  
*L. aurea.* Large golden yellow flowers .25, larger .50  
*L. backebergii.* Light pea green body, nearly spineless, flower bright carmine .35  
*L. binghamiana.* Small clustering, bright red flowers, free flowering .25  
*L. caespitosa.* Long yellow spines, flower yellow and red .35  
*L. chrysantha.* Chocolate gray body, golden flowers shading to coffee color, grafted .50

*L. chrysocete*. Elegant .25*L. drijveriana* var. *aurantiaca*. Grafted .50*L. famatimensis*. Chocolate brown body overlaid with lighter spines lying flat against ribs. Flowers dark blood red, grafted .50, larger with offsets \$1.00, rooted plants .35*L. famatimensis* var. *setosa*. Short white bristly spines and a yellow flower. Rooted or grafted .50, large specimens \$1.00*L. ferox*. Hooked spines .40*L. hertrichiana*. Fast growing, free flowering, bright green body, offsets freely, red flower .60, smaller .30*L. bossei*. Rare slow growing. Grafts \$1.00*L. jajoiana*. Whitish radial spines and black central. Flowers red with black throat. Seedlings .20, large .50*L. longispina*. Seedling .20*L. mistensis*. Peculiar shade of blue-gray-green slightly glaucous, flowers in shades of red tinged with violet, from near the Peruvian volcano Misti .40*L. nealeana* .25*L. neo-haagena*. Grows in clusters of grayish green heads tinged with red, short harmless spines, flowers salmon. Grafted .35, larger specimens .50*L. pseudocachensis*. Small clustering, short harmless spines, flower bright red. Grafted .40*L. rhabidacantha*. Bears longest spines, reddish color when newly grown. Grafted specimens .75*L. reburoides*. Chocolate brown body, flower citron yellow. Attractive. Rooted specimens .75*L. rubescens*. Young spines reddish, flower large yellow .50, larger flowering specimens rooted \$1.50*L. wegheiana*. Bright yellow spined, flower lilac, from Andes of Central Bolivia. Rare .75*LOPHOCEREUS schottii*. Four to five angled bordered on ribs with dark spines .25, specimens \$1.00*LOPHOPHORA williamsii*. "Dope Cactus." Large flattened gray green ribs dotted with tufts of silky hairs, frequently bears small pink flowers, a "Must Have." Small ones .35, larger specimens .75*MACHAEROCEREUS eruca*. "Creeping Devil Cactus" .75*MAIHUENIA poeppigii*. Rare Chilean species .40*MALACOCARPUS vorwerckianus*. Rarity from Colombia, flowering specimen plants .75

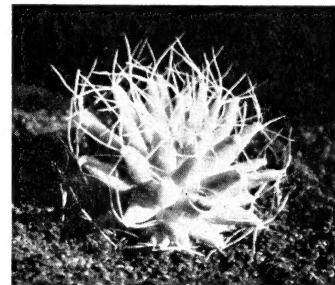
*Mamillaria bocasana inermis*.  
White woolly grafted specimens .50

**MAMILLARIA**

A genus of small growing cacti, low, rounded or elongated, bearing flowers in a circle around the top of the plant, ranging in color through white, yellow, pink, red or magenta. Best adapted to small pot, bowl and indoor culture.

*MAMILLARIA albicans*. Very neat, white spined .35*M. applanata* .20*M. baumii*. Bears unusual yellow flowers .35

*M. bocasana*. "Powder Puff" covered with white silky hair, bears creamy yellow flowers, forms clumps as it grows older, small ones .20, larger .35, specimen clumps \$1.00



*Mamillaria campotricha*

*Mamillaria bocasana inermis*. White woolly grafted specimens .50

*M. boedeckeriana*. "Fish Hook" .35*M. calacantha*. New, fast growing .25

*M. campotricha*. "Bird's Nest." Long, slender bright green tubercles tipped with yellow twisted spines. Forms clusters, flower white .15 and .35

*M. candida*. Covered with dense white spines .25*M. caput medusae*. "Medusae's Head" small .20

*M. carnea*. Dark green body, spines black, flowers flesh colored .20

*M. caretii*. Bright yellow hooked spines .30

*M. celsiana*. Handsome, densely covered with creamy-yellow spines, flowers carmine .20, larger .35

*M. centricirrha* .20

*M. chinocephala*. Globular with whitish dense spines .25, larger .50

*M. compressa*. Tubercles angular and large with long white spines, flowers light pink .20

*M. crucigera*. Covered with dense white spines, four centrals in form of a cross .25, larger .35

*M. dealbata*. White spined .20
*M. densispina*. Yellow spined .25

*M. dolichocentra*. Bright green, angled tubercles few spines and carmine flowers .35, smaller .25

*M. durispina*. Heavy brownish spines, flowers carmine, a good grower .15

*M. elegans*. Dainty white spined with brown central spines and small carmine flower .35, smaller .20

*M. elongata*. Slender, finger-like stems, short yellow spines, branches freely, flower white star-like. Small plants .15, with branches .35

*M. elongata* var. *rufocrocea*. A fox-red spined variety of the popular "Lady Fingers" .25

*M. elongata* var. *stella aurata*. Golden spines .25 and .35

*M. elongata* var. *viperina* .15

*M. erythrosperma*. A small clustering plant with a hooked spine. Single heads .25, clusters .50

*M. ferraria rubra.* New .30  
*M. fragilis.* A miniature plant .15  
*M. fragilis* var. *minima*. Smaller than above .15  
*M. galeottii.* Similar to *M. dolichocentra* .25  
*M. gigantea.* "Giant Mamillaria." Grows fast making a large flattened sphere, flowers greenish yellow .40, smaller .20  
*M. guelzowiana.* Hairy .50  
*M. haageana.* Dense white spines and brown centrals, bears circle of rose-colored flowers around the tip .40 each, smaller .20  
*M. hahniana* .50  
*M. hesseana.* Grows large with brownish spines .50  
*M. beydieri.* Low growing flattened, flowers light pink .25, flowering size .50  
*M. bidalgensis.* Dark green body with few black short spines, flowers reddish .15, flowering size .30  
*M. johnstonii.* A rare one from Sonora, Mexico, .20  
*M. klissingiana.* Densely spined like a gray-white ball. Beautiful but difficult .25



*Opuntia sp. cristata*

*M. kunzeana.* Hooked spines and white silky hair, similar to *M. bocasana* but not so hairy .20, larger .40  
*M. lloydii.* Grows into a flattened sphere, spines whitish to brown, flowers pinkish white .25  
*M. mainae* .35  
*M. martinezii.* Densely spined with short gray-white spines. Flowers pink. Small .20, larger .40  
*M. meiacantha* .20  
*M. melanocentra.* Similar to above, but with black spines, flowers reddish .20 each.  
*M. microthelia.* "Little Sun." Golden radial spines forming dark centrals as it grows, .20 and .35  
*M. mystax.* Grayish-red spines, many dark red flowers. A fine one. Good sized ones .50, smaller .35  
*M. nunezii.* Good grower, many fine white to brown spines .15  
*M. orcuttii.* Has woolly areoles and white and brown spines. A very pretty plant .25  
*M. parkinsonii.* White spined with brown tipped radials, heads divide as the plant grows older, forming clumps .40, smaller .20  
*M. perbellia.* Globular with tiny white spines and pink flowers. Easily grown and attractive .20  
*M. perbellia lanata.* Similar to above but axils of the tubercles are woolly .25  
*M. pfeifferi.* Covered with a mass of yellowish spines, small specimens .35  
*M. potosina* .20  
*M. prolifera.* Cuban species, many offsets. Spines grayish-white and soft. Small ones .15, clusters .50

*M. pseudoperbellia.* "Monkey Face." Resembles *M. perbellia* but heads divide. Small ones .25  
*M. quirobensis.* Another fish-hook .25  
*M. rhodantha chrysacantha.* Many stiff grayish-yellow spines, flowers carmine .20, larger .30  
*M. rhodantha* var. *rubra* .25  
*M. saetigera* .20  
*M. scheideckeri* .35  
*M. schmollii.* White radial and brown central spine, flowers rose, a pretty one .15, larger .35  
*M. solisii* .15  
*M. sphacelata* .25  
*M. sphaerica.* Bright shiny yellow-green long tubercles tipped with weak yellow spines. Flowers bright yellow and large. Seedling plants .35  
*M. spinosissima.* Mass of rather long, fine spines white to reddish, flowers scarlet .50, smaller .25  
*M. trichacantha* .25  
*M. umbrina.* Fast growing .15, large .25  
*M. uncinata.* Flat, dull green body with short hooked spine on each tubercle, flower reddish-white, from near San Luis Potosi, Mexico, .25, small .15  
*M. vaupelii.* Fine new species with bright spines, some orange red, flowers red .20, larger specimens .40  
*M. viereckii.* Dwarf one, fine bristly spines, flowers white, produce freely .25  
*M. weisingeri.* Robust .20  
*M. wildii.* Small with light brown hooked central, flowers whitish .25  
*M. winteriae.* Flattened with large angled tubercles, bearing largest pink flower of Mamillarias. Rare .20  
*M. zahniana.* Similar to above but smaller .25  
*M. zeilmanniana.* Brown hooked spine .30  
*M. zeyheriana.* Large growing with dense, longish whitish-gray spines, often reddish or brown .25  
**MAMILLOPSIS senilis.** Pure white species, long tubed bright orange-red flower. Grafted .75  
**MELOCACTUS.** Barrel type topped with a cephalium from which the flowers and fruits appear. Small plants as offered below have not yet developed this organ.  
*M. bahiensis.* Seedling .20  
*M. depressus* .30  
*M. ernestii* .35  
*M. intortus.* "Turk's Cap." From West Indies. Resembles Echinopsis but body is shaded with green, red and bronze topped with tan and brown spines .65, small .25  
*M. lemairei.* A smaller growing "Turk's Cap" .40  
*M. melocactus.* Plants resemble *M. intortus* .50  
*M. neryi.* From Brazil .75, large  
*M. townsendii* .25  
**MONVILLEA.** Slender upright, having large white night blooming flowers. Closely allied to *Cereus*.  
*M. cavendishii.* Free flowering, much branched as it grows older. Single stemmed plants .75, small .20  
*M. diffusa.* A tall growing one from Southern Ecuador. Twelve inch plants .75  
*M. insularis.* Most eastern cactus, native to an island off the coast of Brazil .75  
*M. marmorata.* Meaning marbled. Grafted .75  
*M. phaeacanthus.* Another rare Brazilian species .75  
*M. spegazzinii.* Slender gray-green stems with jet black spines. Very attractive .40  
**MYRTILLOCACTUS cochal.** Large seedlings .75  
*M. geometrizans.* Blue-green body .35, smaller .15

**NEOLLOYDIA beguinnii var. *senilis*** .20

*N. grandiflora*. Bears star-like spine clusters and large purple flowers .25

*N. rhabpidacantha*. Slender, erect, long tubercled, flowers white-yellow .25

**NEOPORTERIA**. Interesting Chilean plants. As they grow slowly on own roots we offer grafted plants mostly.

*N. atrispinosa* grafted .75

*N. fusca* .75

*N. heteracantha* .75

*N. napina*. Nearly spineless, olive-green body .75

*N. nidus*. Brown colored with a mass of interwoven spines, flowers large pink, fine grafted plants \$1.00

*N. nigricans*. Chocolate-black with black spines .80

*N. reichei*. Covered with minute pectinate spines .40

*N. subgibbosa*. Seedlings on own roots .25

*N. villosa*. Yellowish-brown spines, flowers pink .75

**NOTOCACTUS graessneri**. Golden spines .35 and .50

*N. apicus* .25

*N. baselbergii*. White spined, red flowered .40

*N. leninghausii*. "Golden Ball." Fine hair-like golden spines .50, smaller .20, flowering size \$1.50

*N. mammulosus* var. *pampeanus* .20

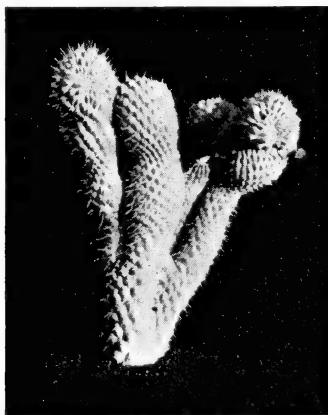
*N. ottonis*. "Indian Head." Earliest to flower of *Notocactus*. Small ones .20, larger specimens .75

*N. schumannianus*. Pretty, golden spined .25

*N. scopula* "Silver Ball." Bright silvery spines tipped with red. Small .20, larger .35, flowered size .75

*N. submammulosus*. Flat strong spined, flowers large: Blooming size .75, seedlings .20

**NYCTOCEREUS serpentinus**. "Queen of the Night." Fragrant flowers, easily grown. Small .25, larger .50



*Opuntia mamillaris cristata*  
Boxing Glove Cactus

**OPUNTIA basilaris**. "Beaver Tail." Gray-green or reddish color. Large ruffled pink to rose flowers. Stands considerable cold and snow .15

*O. erinacea*. "Grizzly Bear." California species with long white bristly spines. Large yellowish pink flowers. Quite hardy. Recommended highly .25

*O. elata*. "Orange Tuna" .20

Received my plants in first class condition and am very pleased with same. The Surprise Packet of seed germinated nearly 100%.

JOHN SODERBERG, Hammond, Ind.

*O. fragilis*. Hardy all over the U. S. .20

*O. fucus indica*. Commonly known as "Burbank's Spineless," nearly spineless, large stems or pads .50

*O. galapageia*. Rare from Galapagos Islands .35

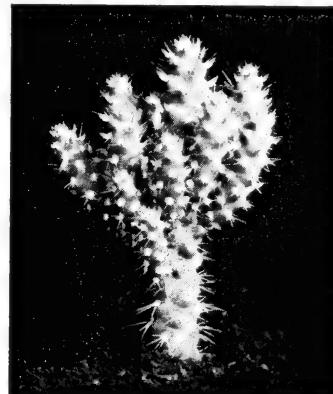
*O. glomerata*. "Paper Spine Opuntia" about one inch in diameter .45, smaller .25

*O. lagopus*. Erect cylindrical stems covered with yellowish wool and spines. Rare \$1.00

*O. mamillata cristata*. "Boxing Glove." Club shaped branches will form crested forms and odd shapes. Small ones .15, larger crested ones .35, giant specimens \$1.00

*O. microdasys*. "Rabbit Ears." Tufts of short yellow spines in dots regularly distributed .15

*O. microdasys* var. *alba*. A white fuzzy variety .25



*Opuntia vilis*—"Dwarf Tree Cactus"

*O. monacantha*. Small rooted stems .10

*O. monacantha variegata*. "Joseph's Coat" curiously variegated with patches of red, green and yellow .25

*O. opuntia*. Native to eastern states and Canada and is quite hardy .25

*O. rufida*. Bears reddish tufts of glochids .20

*O. schickendantzii*. Erect thin light green stems .20

*O. sp. cristata*. Miniature crest of bright green wavy texture with tiny weak spines .75

*O. serpentina*. Cylindrical, knobby branches twist about in a snaky manner .25

*O. serpentina cristata*. Fine crested form of the above making odd fan-shaped branches .60

*O. vestita*. "Old Man Opuntia" .25

*O. vilis*. Small plants grow like little branched trees, suitable for bowl and window garden .15

**OREOCEREUS celsianus**. "Old Man of the Andes." Colorful spines and long hair. Best in full sun. Large exhibition specimens \$1.00 and \$2.00 according to size.

*O. doelziana*. More recently discovered. Grafted \$1.00

*O. fossulatus*. Not quite so hairy, branches from base. Taller and faster growing than the former \$1.50

*O. trollii*. "Old Man of the Mountains." Reddish spines emerge through dense white wool, hairiest of group. Native to Peru .35, larger .75

*O. turpinii*. "Ribbon Cactus" .50, larger \$1.00

#### PRICKLY PEAR COLLECTION

Five of the choicest kinds including Beaver Tail, Grizzly Bear, Rabbit Ears, Joseph's Coat and Boxing Glove, a \$1.20 value for \$1.00

## PACHYCEREUS

*P. columnaria trajani*. Seedling plants .25  
*P. pecten-aboriginum*. "Indiam Comb" .25  
*P. pringlei*. Attractive coloring .25, larger .50  
**PARODIA aureispina**, "Tom Thumb." Golden hooked spines and flowers .25, large specimens .75  
*P. islayensis*. Globular woolly from Chile, grafted \$1.00  
*P. maassii*. Orange-brown curved spines .20  
*P. stuemeri*. Reddish hooked spines .25  
*P. stuemeri* var. *tilcarense*. Flowers clear orange red, from Tilcara, Argentina. Seedlings .50  
**PENIOCEREUS**. Slender blackish stems arise from large tuberous roots. Flowers white, night blooming, large.  
*P. greggii*. "Queen of the Night" .75  
**PELECYPHORA pseudopectinata**. New species resembling *Solisia*, with large attractive pink flowers. Grafted flowering size .75  
**PERESKIA pereskia**. Primitive form of cactus bearing true broad leaves, good grafting stock .20  
**PERESKIOPSIS porteri**. Intermediate evolutionary form between *Pereskia* and *Opuntia* .30  
**PILOCEREUS euphorbioides**. Seedlings .35  
*P. catingicola* .25  
*P. glaucochorus* .40  
*P. polylophus*. Large \$1.00  
**QUIABENTIA chacoensis** .75  
**RATHBUNIA sonorensis**. Tall growing, heavily spined tubular bright red flowers. From Sonora. Large \$1.00  
**REBUTIA**. "Pigmy Cactus." Tiny South American cacti. Brilliant colored flowers. Suitable for pots and bowls.  
*R. aureiflora*. Yellow flower, grafted .50  
*R. deminuta*. Red flowers, rooted .35, grafted .50  
*R. elegans*. Flowers yellow, rooted .35, grafted .50  
*R. fiebrigii*. Flowers red, spines white, rooted .35  
*R. kupperiana*. Pretty plant, red flowers .25  
*R. minuscula*. Bright green body, soft harmless spines flowers profusely, red, rooted .30  
*R. senilis*. White bristly spines, flowers red .20  
*R. steinmannii*. Dark body, dark red flowers, rooted .35  
*R. violaciflora*. Flowers orchid, grafted .35  
**RHIPSALIS** "Mistletoe Cactus." True epiphytes. Suitable for hanging baskets, thrives in the shade.  
*R. cassutha*. Slender green branches, tiny cream colored flowers followed by white, mistletoe-like fruits .25  
*R. cereuscula*. "Popcorn Cactus." Masses of short stems tipped with bristles growing on tips of long pendant branches. Flowers pinkish or white, berries white .35  
*R. bouleettiana*. Flattened stems, deeply cut, flowers cream colored with red eye, fruits red .50  
**SELENICEREUS**. "Moon Cereus." Slender twining cacti which grow to considerable length. Flower at night. The following prices are for unrooted cuts

**REBUTIA COLLECTION**. To introduce these gems to our customers we will send a collection of six rooted or five grafted kinds, an excellent assortment of our own selection in various flower colors, a bargain for \$2.00

which grow very rapidly and root easily, or will root them to order for ten cents extra.

*S. boeckmannii* .40  
*S. brevispinus* .50  
*S. brevispinus* var. *spinulosus* .30  
*S. coniflorus* .20  
*S. grandiflorus* .40  
*S. hamatus* .20  
*S. inermis* .20  
*S. macdonaldiae* .20  
*S. murrillii* .20  
*S. pringlei* .20  
*S. pseudospinulosus* .40  
*S. pteranthus* .35  
*S. spinulosus*, purple flower .20  
*S. spinulosus*, white flower .20  
*S. urbanianus* .20  
*S. vagans* .20  
*S. vaupelii* .20  
*S. wercklei* .25  
**SOLISIA pectinata**. Small growing, harmless white spines appressed against body. Flowers pink and large. Good grafted specimens .50  
**STENOCACTUS**. Distinctive with numerous thin wavy ribs and numerous small white, yellow and pink flowers. Sturdy, easily grown.  
*S. lamellosus* .25  
*S. lloydii* .40  
*S. ochoterenaus* .25  
*S. vanpelianus* .35  
*S. violaciflorus* .50  
*S. zacatecensis* .50  
**STROMBOCACTUS pseudomacrothele**. Rare dwarf slow growing species, from Central Mexico .50  
**THELOCACTUS**. Globular Mexican cacti. Sturdy, free flowering with rather large flowers.  
*T. bicolor*. Large rose-pink flowers, easily grown .25  
*T. bolansis*. White spined, pale pink flowers .35  
*T. buekii*. Large tubercled brown spined, small ones .35  
*T. crassibamatus* .35 (formerly Ferocactus).  
*T. hastifer* .25  
*T. heterochromus* .60  
*T. hexaedrophorus*. Grayish long spined, flowers white .50  
*T. knuthianus*. Small white spined species with fine pink flowers. Grafted plants .75  
*T. lopothele*. Attractive grayish plant. Rare .75  
*T. nidulans*. Long stiff liny spines .75  
*T. saueri*. Small growing, dense white curved spines .50  
*T. saussieri*. Faster growing, clean white spines .50  
*T. uncinatus*. Hooked spined species. Seedlings .25  
*T. wagnerianus*. Straw colored spines, reddish when young, flowers pink .35  
**TRICHOCEREUS**. Sturdy growing, suited for large gardening effects, large pot plants, extra large white nocturnal flowers. Like full sun, rich soil.  
*T. bertramianus*. Brilliant golden shiny spines. Sturdy specimens grown outdoors in sun \$1.00  
*T. bridgesii*. Bright green body, grows tall and slender, branches from base .50, larger branched \$1.00  
*T. candicans* .15  
*T. chilensis*. An attractive one from Chile .75  
*T. coquimbanus*. Low growing, densely spiny .35

*T. gladiatus*. Golden spined .20  
*T. hauscha rubra*. Small growing, red flower, now classified as a *Lobivia* .40  
*T. lamprochlorus*. Low growing, forming clusters of many stems. Light green stems. Seedling .20  
*T. macrogonus*. Fast growing, thick stemmed, used as grafting stock for heavy plants. Large rooted cut .90  
*T. pachanoi*. Bright green stems, almost spineless, fast growing. Eight inch specimens .60, seedlings .20  
*T. pasacana*. Giant cactus of Argentina. Sturdy, slow growing, small ones .25, larger field grown specimens .50  
*T. poco*. Brownish-gold spines, colorful .25, larger .50  
*T. schickendantzii*. Forming low dense clusters, best adapted to pot culture. Rooted cuts .20, larger .50  
*T. shaferi*. Low growing, much branched, forms clusters of golden-green stems, flowers large white. Rooted cuts .25, larger .60, large show specimens available.  
*T. spachianus*. Fast growing, branches from base. One of the best for grafting stocks. Sturdy six inch or over plants .25; special prices for quantities for grafting stocks in lots of ten or more, seedlings .15  
*T. strigosus*. Slow growing, forms clumps, difficult unless grafted. Grafted plants .75  
*T. terscheckii*. Unbranched thick column of dark green, seedling plants .35

*T. thelogonus*. Vigorous seedlings .15  
*T. uyupampensis*. Rare new species, long yellowish spines. Small grafted plants .75  
*T. vollianus*. Like a larger *T. spachianus*, faster growing with thicker stems than latter .50  
**WEINGARTIA**. Globular from the Argentina-Bolivia boundary. *W. cumingii*, grafted \$1.00; *W. fidiana* .40; *W. neumanniana* .35  
**WERCKLEOCEREUS tonduzii**. Climbing Costa Rican species, creamy white flowers. Unrooted cuttings .50  
**WILCOXIA**. Weak slender stems growing from tuberous roots, fine pink or reddish flowers, best grafted.  
*W. schmollii* (syn. *W. senilis*). "Lamb's Tail." Spineless stems covered with soft white wool, bears pink flowers. Very odd. Grafted plants .50  
*W. viperina*. Strongest grower. Rooted .50  
**WILMATTEA minutiflora**. Three angled climbing type from Guatemala, small white nocturnal, very fragrant flowers. Unrooted cuts .75, root easily.  
**ZYGOCACTUS salmonaea** "Crab Cactus" or "Thanksgiving Cactus." Flowers salmon red. Small rooted plant .50  
*Z. truncatus* "Christmas Cactus." Likes shade, rich, well-drained soil .75, smaller .25

For cristate cacti, see page 23. Please use the order blank on page 21.

## SUCCULENTS OTHER THAN CACTI

**ADROMISCHUS clavifolius**. Small clusters of thick, club-shaped, brown spotted leaves .20



*Adromischus cristatus*

*A. cooperi*. "Plover Eggs." Similar to foregoing but with longer leaves .25

*A. cooperi* var. *brevifolia*. Short leaved form .25

*A. cristatus*. Odd plants with short stem covered with tiny, red, aerial roots, green leaves wavy at the flattened tip, hence the name .20

*A. maculatus*. Small disc-shaped reddish brown flecked leaves about an inch in diameter .35

*A. thrysifolia* .25

**AEONIUM arboreum**. Bright green rosettes .15

*A. arboreum* var. *atropurpureum*. Like foregoing except the leaves turn purplish red in full sun .15

*A. cooperi*. A compact bushy type bearing attractive rosettes at tip of each branch .15

*A. haworthii*. Similar to *A. cooperi* but gray green .20

*A. sedifolium*. Rosettes of short, narrow leaves turning reddish brown in full sun or with a brownish

stripe down the center. Nice small clumps .15

*A. tournfordtii*. Narrow leaves, brown streaked .15



*Cheiridopsis candidissima*

**AGAVE americana** var. *variegata*. Attractive gray green and yellow striped leaves. Grows large .50

*A. decipiens*. Dark green leaves tipped with sharp spine. From Yucatan .35

*A. fernandi-regis*. Resembles following but with fewer leaves. Fine large eight inch plants \$1.00

*A. victoria-reginae*. Small growing with dark green stiff leaves, white striped as it grows older .50

**AGRINICTUS agnatum**. "Lamb's Tongue." Grey green leaves forming compact clusters. Small .20, larger clumps .50

**ALOE arborescens**. "Torch Plant." Brilliant erect spikes of orange red flowers. Fine plants .75

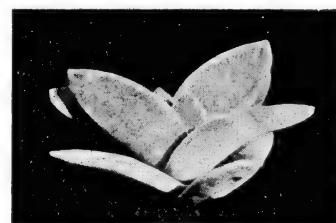
*A. aristata*. Showy like large Haworthia .50

*A. ausana*. Resembles *A. variegata* but has short stout leaves mottled with green and whitish markings .25, flowering size \$1.00

*A. beguinii*. Unusual Aloe, resembling a huge Ha-

worthia, numerous narrow leaves dotted with white, tips ending in a transparent bristle .20, large \$1.00  
*A. brevifolia*. Short gray-green leaves with edges toothed with short white spikes, flowers red .25  
*A. brevifolia-humilis* hybrid. Attractive small one similar to foregoing, forms close dense clusters .25  
*A. humilis*. A low growing short leaved one .25  
*A. humilis* var. *incurva*. A dwarf form, leaves gray-green toothed. Flowers orange red .35  
*A. nobilis*. Bright shiny green .15  
*A. plicatilis*. Unusual with leaves arranged in two lateral rows. Rooted single stems \$1.00  
*A. variegata*. "Partridge Breast" most beautiful of all Aloes. Flowers orange-red. Small plants .25, larger ones .35, flowering size \$1.00  
**ANACAMPSEROS arachnoides**. A dwarf form with leaves covered with cobwebby hairs .25  
*A. rufescens*. Similar to the following .20  
*A. telephium*. "Sand Rose." Forms clumps of compressed rosettes, short pointed dark olive-green leaves, pinkish at base, large red flowers .25  
**APICRA pentagona**. Related to Haworthia, stiff light green leaves .25  
**BYRNESIA weinbergii**. "Ghost Plant." A pretty silvery gray rosette .20  
**BRYOPHYLLUM scandens**. Odd climbing species with mouse colored flowers and foliage .35  
*B. "Houghton's Hybrid"* rapid growing, produced by the late Dr. A. D. Houghton .15  
*B. "Kelly's Hybrid"* similar to foregoing, with larger more colorful flowers, produced in our gardens .15  
*B. pinnatum* .15  
*B. tubiflora*. Tubular brown marked leaves, flowers during the winter months, orange-red flowers .15  
**CARRUANTHUS caninus**. Leaves toothed like a Fauaria, flowers yellow .35  
**CEPHALOPHYLLUM alstonii**. Clusters of gray pencil-like leaves, red flowers, winter .35  
*C. velutinum*. Long fleshy flexible leaves, forming clusters, bearing yellow flowers .30  
**CEROPEGIA woodii**. "Umbrella Flower." Slender drooping stems with heart-shaped leaves, flowers pinkish brown. For the hanging basket or pot .20  
*C. debilis* .20  
**CHEIRIDOPSIS candidissima**. African plant having pairs of white leaves resembling goat's horns. A "must have" for rare collections, small ones .25, large .75  
*C. pillansii*. "Lobster Claws." South African plant .50  
**COTYLEDON undulata** hybrid. Fast growing, resembling parent plant, bears orange-red flowers .20  
**CRASSULA arborescens**. Also known as *C. cotyledon* .25  
*C. argentea*. "Jade Plant." Erroneously sold as *C. arborescens* and *C. portulacea* .20  
*C. corallina*. Mat-forming, resembles white coral .15  
*C. corymbulosa*. Yellowish green rosettes, red tipped when growing, turning red in full sun when dormant .15  
*C. dejecta*. Erect with leaves arranged in four vertical pairs, reddish in full sun .15  
*C. deltoidea*. "Silver Beads" grayish white leaves .15  
*C. ericoides*. Freely branching, club-moss type .15

**AMATEUR SUCCULENT COLLECTION.** Fifteen named plants for the beginner who wishes to start a collection of the least expensive kinds. Our selection of good, small succulents for only \$1.25

*Crassula falcata*

*C. falcata*. "Aeroplane Plant." Curious gray-green leaves resemble blades of aeroplane propellers, bears scarlet to orange-red flowers .15, large .35  
*C. imperialis*. Resembles *C. pyramidalis* .15  
*C. klinghardtensis* .20  
*C. lycopodioides*. Many stemmed clusters of bright green resembling club-moss .15  
*C. hemispherica*. "Arab's Turban" .25  
*C. perforata*. "Necklace Vine." Gray green leaves joined at base giving appearance of being strung on a string .15  
*C. pseudolycopodioides*. Dark green .15  
*C. pyramidalis*. Very rare .50  
*C. rupestris*. "Rosary Plant." Gray-green, flat rounded leaves united at base, stems prostrate growing long, suitable for hanging basket .15  
*C. sp. "Pagoda Plant."* Resembles oriental building .15  
*C. teres*. "Rattlesnake Crassula." Thick succulent leaves clasp at base, forming rounded column .50  
*C. tetragona*. Erect shrubby, tree-like. Light green leaves and bare brown stems .15  
**CYANOTIS somaliensis**. "Pussy Ears." Trailing plant with triangular fuzzy leaves .15  
**CYLINDROPHYLLUM comptomi**. Clusters of finger-like dark green leaves, pinkish yellow flowers. African .25  
**DROSANTHEMUM speciosum**. Light green crystalline foliage. Bright flowers. Small plant .20  
**DYCKIA sulphurea**. Shiny green rosettes of sharp denticulate leaves. Belongs to pineapple family .20  
**EBRACTEOLA derenbergiana**. Cushions of long slender bluish green leaves, flowers pale pink .20  
**ECHEVERIA**. "Hen and Chickens" amoena. Small one with light gray leaves tinged with red .15  
*E. derenbergii*. "Painted Lady." Neat rosettes with attractive short stemmed flower stalks .15  
*E. elegans*. Pearly blue-white leaves .15  
*E. expatriata*. A small one .15

*Crassula pyramidalis*



Crassula teres

*E. gilva*. Thick yellow-green leaves .15  
*E. glauca*. Thin gray leaves, offsets freely .20  
*E. hoveyi*. Leaves variegated with stripes of cream and pinkish white. Small .25, large .50  
*E. multicaulis*. Much branched one, each branch tipped with rose-like cluster of dark, shiny, green and red leaves. Very showy and grows well .15  
*E. nodulosa*. Tall growing, shrubby type with reddish striped leaves. Very odd .25  
*E. pulvinata*. "Chenille Plant." Small shrub type with light green leaves covered with white hairs, red tipped in winter .20  
*E. reinwardtii*. Thick keeled leaves .30  
*E. rose grande*. Large growing, large crinkly leaves edged in red. Will grow to a foot across. Small .25, large ones \$1.00  
*E. setosa*. Bright shiny green leaves covered with fine white hairs. Very attractive. Likes shade .25  
**EUPHORBIA**. Mostly native to African deserts, much prized by collectors of rare and unusual plants.  
*E. abyssinica* var. *eritrea*. Erect tall growing, not branched in young specimens. Large sturdy specimens \$2.50  
*E. alicornis*. Rooted cuts .25  
*E. antiquorum*. Six inch .50  
*E. bergeri*. Many serpentine branches from a central head. Small symmetrical heads .75  
*E. caput-medusae* *major*. Larger growing form of more irregular habit. Small rooted cuts .25, larger .50  
*E. cereiformis*. Erect, many-ribbed, branches freely .20  
*E. echinus*. Has club-shaped stems with spines .35  
*E. frankeana*. Erect cactoid in appearance .25  
*E. ingens*. Tall mottled dark green .50 and \$1.00  
*E. grandicornis*. Three-angled stem with white horny margin along edges and heavy thorns in pairs. Fast growing, branches when older. Eight inch plants .50, larger specimens \$1.00  
*E. lactea*. Pretty marbled stems, growing easily .50, large specimens branched \$1.50  
*E. mammillaris*. "Corn Cob." Popular and easily grown. Small ones .15, larger .35  
*E. meloformis*. Small globular species .75, larger \$1.00  
*E. obesa* \$1.00  
*E. obesa-valida* hybrid, small .25  
*E. pentagona*. Erect branching bright green stems with yellowish spines. Small plants .35  
*E. pseudocactus*. Four angled armed with spines of cactus like form. Rooted cutting .25

**WINDOW GARDEN SPECIAL.** All succulents, no spiny cacti, of various colored foliage and strange shapes, suitable for small pots or the window box garden. Eight wonder plants, our selection, a regular \$1.50 value for only \$1.15

*E. pseudoglobosa*. Clusters of small joints. Rare \$1.00  
*E. resinifera*. Four angled gray-green stems forming clusters. A fast grower and hardy. Single stems .35  
*E. stellaspina*. Clavate stems with spines which have a star-like spine growth \$1.00  
*E. splendens*. "Crown of Thorns" .25  
*E. submammillaris*. Low growing and freely branching. Known as *E. pfersdorffii*. Small plants .30  
*E. susanne*. Small, forms clusters of short stems .75  
**FAUCARIA bosscheana** .15  
*F. brittenae* .15  
*F. coronata* .15  
*F. booleae* .15  
*F. reyneveldtiae*. Rare .20  
*F. tigrinia*. "Tiger's Jaws." Curious succulent with thick, juicy leaves edged with harmless tooth-like projections. Forms clusters .25, smaller .15  
*F. tuberculata*. Attractive roughened leaves .25  
**GASTERIA** hybrids. Curious thick dark green leaves arranged in pairs, dotted with tiny raised pearl-like markings. "Ox Tongue" .15, flowering size .35  
*G. excelsa*. Sturdy compact thick spotted leaves .25  
*G. verrucosa*. Small plants .20, large flowering size .50  
**GLOTTiphyllum linguiforme**. "Tongue Leaf." Bright green bearing large yellow flowers .20  
**GREENOVIA gracilis**. Yellowish green rosettes, forms clusters, from the Canary Islands, desirable .15  
**HAWORTHIA**. Small growing South African plants with clusters of pointed or blunt leaves, forming rosettes. Finest of plants for small containers.  
*H. ablonacantha*. Small with translucent light, green leaves, forms clusters .25  
*H. altlinea*. Light green windowed type .35  
*H. angustifolia* \$1.50  
*H. atrovirens*. Dwarf dark green .20  
*H. attenuata*. Warty .35  
*H. attenuata* var. *brittenae* .75  
*H. bilineata* .50  
*H. caespitosa* \$1.00  
*H. chalwinii*. Dark green, small .35  
*H. coarctata*. Dark green, stiff pointed leaves .20  
*H. cuspidata*. Thick blunt pea-green leaves, surface dotted with transparent spots, grows into clumps .25  
*H. cymbiformis* var. *obtusa*. Rare \$1.00  
*H. decipiens* .75  
*H. denticulata*. Windowed .25

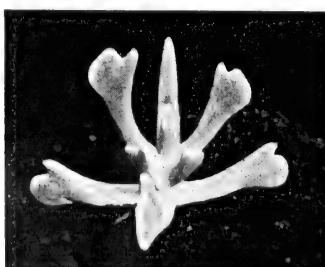


Greenovia gracilis

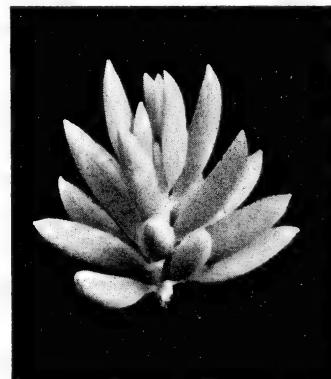
<i>H. dielsiana</i>	.50
<i>H. fasciata</i>	.35
<i>H. fasciata</i> var. <i>caespitosa</i> . Leaves white banded .50,	small plants .20
<i>H. glabrata concolor</i> . Dark green, not dotted .35	
<i>H. gracilis</i> .75	
<i>H. integra</i> .75	
<i>H. margaritifera</i> . "Wart Plant." Dainty rosettes of leaves dotted with white tubercles .25	

*Haworthia margaritifera*

<i>H. minima</i> . Small, light green, transparent, windowed leaves .25
<i>H. minima</i> var. <i>major</i> .75
<i>H. paradoxa</i> .25
<i>H. planifolia</i> . Light green with transparent tips \$1.00
<i>H. planifolia</i> var. <i>setulifera</i> .75
<i>H. radula</i> . Fine white dots .35
<i>H. resendiana</i> .50
<i>H. ryderiana</i> .50
<i>H. tortuosa</i> var. <i>pseudorigida</i> .50
<i>H. tessalata</i> . Short thick dark colored leaves in three series marked with veins transparent above .20
<i>H. tessellata</i> var. <i>englerti</i> .50
<i>H. tessellata</i> var. <i>parva</i> .25
<i>H. translucens</i> .50
<i>H. turgida</i> . Smooth windowed leaves .20
HEREROA <i>dyeri</i> .15
<i>H. granulata</i> . Clusters of long, keeled, roughened, dark green leaves. Flowers yellow .35
<i>H. nelii</i> . "Elk Horns." Bright green leaves in pairs, curved, flattened and notched at the ends .25
JUTTADINTERIA <i>korii</i> . Fleshy light green keeled leaves, flowers yellow .25
KALANCHOE <i>breharensis</i> . "Velvet Leaf." Erect with large arrow-shaped leaves covered with brownish felt. Small ones .25, larger plants .50
<i>K. daigremontana</i> . Large arrow-shaped leaves, mottled. From Madagascar .15, larger .25
<i>K. fedtschenkoi</i> . Develops colorful leaves when grown in full sun. Flowers salmon .15

*Hereroa nelii*

<i>K. somaliensis</i> . Broad notched leaves shaded with red, yellow or orange and green, according to season .15
<i>K. tomentosa</i> . "Panda Plant." Silver gray velvety leaves with brown trimmings .15, larger .25
<i>K. velutina</i> . Silvery gray velvet leaves .35
KLEINIA <i>articulata</i> . "Candle Plant." Erect blue-green stems topped by leaves when growing which fall off during the dormant period .15
<i>K. mandraliscae</i> . Terete blue leaves. Odd plant .20
<i>K. pendula</i> . "Inch Worm Plant." Arched creeping stems, roots as it touches the soil. Red flowers .35
<i>K. stapeliiformis</i> . Handsome erect marbled stems .25
<i>K. tomentosa</i> . Short pointed cylindrical leaves of pure white. Very rare .25
<i>K. thyrsiflora</i> . Powdery gray leaves .50
LITHOPS sp. "Stone Faces." Small flat topped growths resembling pebbles. Very curious .20
MESEMBRYANTHEMUM <i>aureum</i> . Grows into shrubby mounds, brilliant orange flowers in spring .25
NANANTHUS <i>jamesii</i> . Makes clusters of dark green pointed leaves dotted with dark spots .30
<i>N. vittatus</i> . Similar to foregoing, smaller leaved .20
PACHYPHYTUM <i>amethystinum</i> . Rosettes of thick, blunt, bluish-gray leaves, amethyst tinged .60
<i>P. bracteosum</i> . Thick rounded whitish gray leaves in rosettes similar to foregoing .60

*Kleinia tomentosa*

<i>P. compactum</i> . "Tower of Jewels." Small rosettes of dark green leaves with grayish-white coating .15
<i>P. glutinosum</i> . Pinkish thickened leaves .50
<i>P. oviferum</i> . Thick white egg-shaped leaves. Very rare and desirable for choice collections .25
PACHYVERIA <i>clevelandii</i> . Purplish leaved hybrid .20
<i>P. orpettii</i> . Striking color ranging from light pink to dark purple, according to season and age .35
<i>P. schiedeckeri</i> var. <i>cristata</i> . Pearl-gray leaves with a bluish cast .25, crests .35
PLEIOSPILOS <i>bolusii</i> . "Living Rock." Large, thick, rounded leaves resembling a pair of greenish brown stones, yellow flower .20, flowering size .50

WORLD WIDE COLLECTION. A pleasant surprise awaits the buyer of this strange collection of Exotics. One fine plant from each of the following countries: Canary Islands, Southwest Africa, Yucatan, Madagascar, Mexico, Cape Province (Africa), Little Namaqualand, Natal, Karroo Desert (Africa) and Guatemala. All named and labelled, ten of the world's most curious plants \$1.85

*Pleiospilos bolusii*

*P. nelii*. Smoother and more colorful flowered than above species .20

*P. simulans*. Broader leaves than above, keeled on the lower side. Flowers pale yellow to orange .20, larger branched clusters .50

**PORTULACARIA afra**. Shrubby plants with round shiny small leaves, attractive in small bowls .20

*P. afra variegata*. "Rainbow Bush." Variegated form. Plant stem purplish-red, leaves cream and pale green with a red margin. Worthwhile .25

**RHOMBOPHYLLUM rhomboideum**. Gray-green leaves with whitish edges forming tufts of stemless rosettes close to ground. Flowers yellow .20

**RIMARIA gigantea**. Rare South African .35

**SEDUM adolphii**. Low shrubby with thick lemon yellow leaves of colorful appearance .15

*S. album*. A dainty trailing kind .10

*S. altissimum* var. *latifolium*. Gray-green clumping sort .15

*S. confusum*. Attractive golden-green foliage .15

*S. guatemalense*. "Xmas Cheer." Fast growing densely branched with shiny green, red tipped leaves .15

*S. moranense*. Tiny low growing, red in sun .15

*S. morganianum*. "The Burro's Tail." Leaves pastel creamy-yellow-green. Good for hanging baskets. Small branched plants .35

*Sedum adolphii*

*S. multiceps*. "Baby Joshua Tree." Unique for landscape effects in bowls .20

*S. pachyphyllum*. Similar to *S. guatemalense* but has gray-green leaves with pinkish tips .15

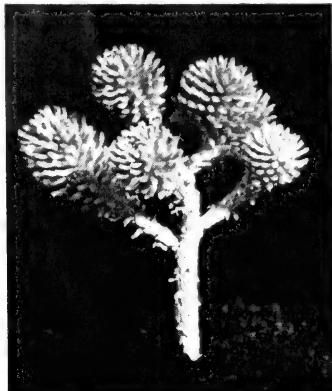
*S. stahlii*. "Boston Bean." Reddish-brown rounded leaves .15

*S. releasei*. Resembles *S. adolphii*, but has bluish-green leaves with a trace of pink on tips .15, crests .35

**SEMPERVIVUM calcareum**. Rosette of pale gray-green, reddish tipped leaves edged with white .15

*S. arachnoideum*. Cobwebby .15

**SEDUM COLLECTION**. Eight of these colorful succulents for the window box garden, our selection .75

*Sedum multiceps*

*S. braunii*. Similar to foregoing but with smaller, darker leaves .15

*S. tectorum* .15

**SINOCRASSULA maculata**. Small rosettes resembling Echeverias with leaves spotted with brown dots .15

**STOMATIUM fulleri**. Thick, small toothed leaves grass-green with pale gray dots forming clumps, blooms at night which is rare among the succulents .25

**TITANOPSIS schwantesii**. Interesting mimicry plant from South Africa. Water lightly .50

#### STAPELIEAE

In order to definitely identify the members of this most unique plant family, the following 11 genera are listed in alphabetical order under this heading. For accurate descriptions and excellent illustrations, see the 3 volume set of "The Stapelieae"—White and Sloane, 1937, \$12.70 postpaid in U. S., foreign \$14.00.

**CARALLUMA baldriatii** .35

*C. dalzielii* .25

*C. hesperidum* from Morocco .30

*C. knobelii* var. *langii* .20

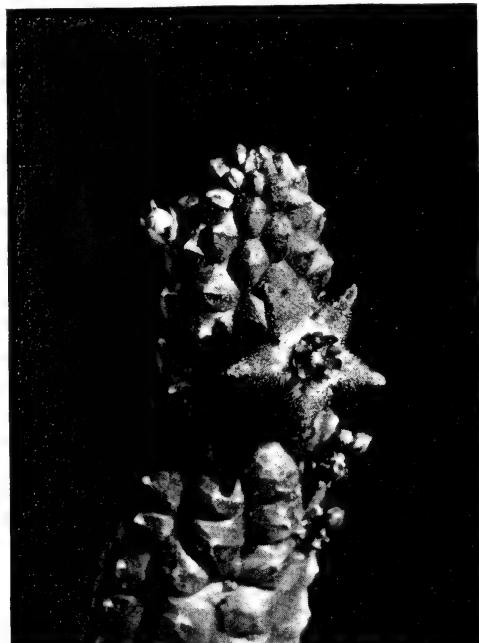
*C. lutea*. Yellow starfish .35

*C. melanantha*. Black starfish .30

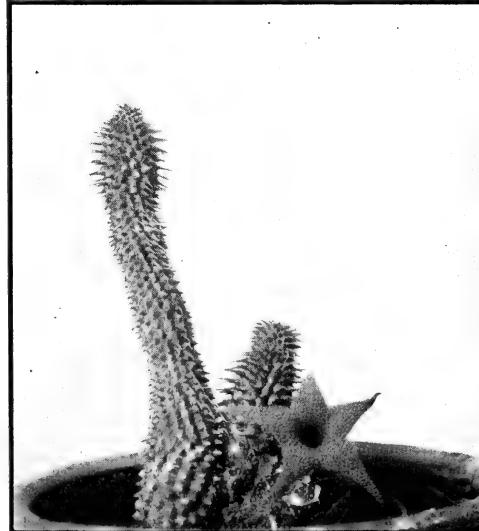
*Caralluma umdausensis*

*Duvalia corderoyi*

*C. nebrownii* .35  
*C. nebrownii* var. *pseudo-nebrownii* .35  
*C. undulensis*. Striking flowers .20  
**DIPLOCYATHA ciliata**. Rare, white fringed flowers .50  
**DUVALIA angustiloba**. The narrow-lobed Duvalia .20  
*D. corderoyi* .35  
*D. maculata* var. *immaculata* .20  
*D. poweriana* .25  
**ECHIDNOPSIS** (meaning viper-like).  
*E. cereiformis* .25  
*E. cereiformis* var. *obscura* .20  
*E. framesii* .25  
*E. serpentina* .30  
**EDITHCOLEA grandis**. Very rare and distinct .75

*Echidnopsis serpentina* (enlarged x 2)

**HUERNIA barbata**. Bearded dragon flower .15  
*H. hystric* .35  
*H. keniensis* .25  
*H. keniensis* var. *nairobiensis* .20  
*H. kirki* .20  
*H. levyi* .15  
*H. longituba* .30  
*H. macrocarpa* var. *cerasina*. Cherry-red flower .25  
*H. macrocarpa* var. *penzigii* .15  
*H. nouhuysii* .20  
*H. oculata*. The eye-flowered *Huernia* .30  
*H. pillansii*. Rare tubercled plant. Delicate \$1.00  
*H. primulina*. "Primrose *Huernia*." Variable flowers of creamy-yellow to golden primrose .25

*Duvalia maculata* var. *immaculata**Huernia pillansii*

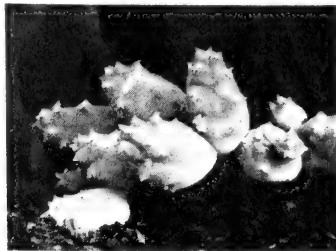
*Huernia primulina*

*H. reticulata*. Pale yellow flowers with blod-red spots in a "reticulated" appearance .25  
*H. schneideriana*. Small .15, large clusters .35  
*H. thureti*. Flowers yellow-ochreous with reddish spots and lines .25  
*H. transmutata* .25  
*H. whitesloaneana* .35  
*H. zebrina*. Zebra-like flowers .35

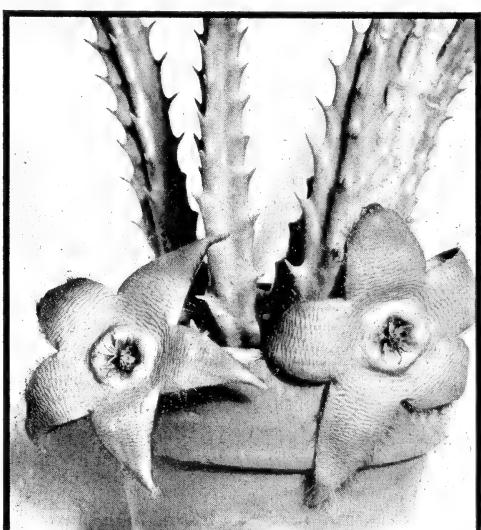
*Huernia thureti*

**HUERNIOPSIS atrosanguinea**. Dark blood-red flowers, rare .75  
**PIARANTHUS foetidus**. Forms clusters of small egg-shaped stems .15

**Stapelia Collection**. Ten different named species of our selection \$2.00

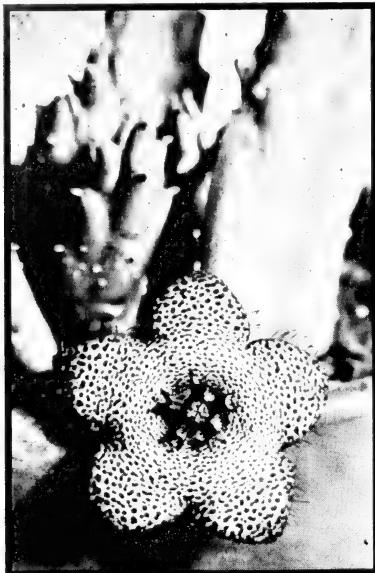
*Piaranthus foetidus*

*P. globosus*. Small potato-like stems .35  
*P. parvulus*. The tiny *Piaranthus* .25  
*P. pulcher* var. *nebrownii*. Handsome dotted flowers .35

*Stapelia comparabilis*

**STAPELIA ambigua** .25  
*S. arnoti*. Arnot's *Stapelia* .30  
*S. bella* .25  
*S. cantabrigiensis*. Large reddish-brown hairy flower .40  
*S. desmetiana*. Purple-red hairy flowers .30  
*S. divaricata*. The straggling *Stapelia* .25  
*S. flavirostris*. Large flower with purple and white hairs .30  
*S. gigantea*. "Giant Starfish Flower." One of the largest blossoms in the world is borne by this odd African plant .35, larger .50  
*S. grandiflora*. 5 to 6 inch purplish-brown hairy flowers .30  
*S. hirsuta*. "Hairy Starfish Flower" .25  
*S. leendertziae*. Bears peculiar cup-shaped, large, blackish-purple flowers .35  
*S. mutabilis*. The changeable *Stapelia* .20  
*S. nobilis*. The noble *Stapelia* similar to *S. gigantea* .40  
*S. nopenackyi* .20  
*S. pasadenensis* hybrid .15  
*S. peglerae* .25  
*S. pulchella*. Small mottled stems and flowers .20

I wish to thank you for an order I received last year. Everyone of my plants are doing well. I can count on you for fine specimens. ARNOLD SAVAGE, Peoria, Ill.

*Stapelia paripuncta**S. revoluta*. Rare .50*S. schinzii minor* .15*S. variegata*. "Starfish Flower." Short pointed stems with curious leathery flowers mottled brown and yellow. African oddity, very desirable .25, crests \$1.00*S. verrucosa*. Dainty toothed stems and spotted flowers .20*Stapelia verrucosa*STAPELIANTHUS *decaryi*. A rare new one from Madagascar with gray-black slender stems .40TAVERESIA *grandiflora*. Erect stems covered with tiny bristly harmless spines. Large bell-shaped flowers, yellowish with brown dots. A real rarity .75

## STAPELIEAE COLLECTION

Twenty, all different named species, our selection for only \$2.95

TRADESCANTIA *navicularis* .20

## HOW TO GROW CACTUS FROM SEEDS

**TIME TO PLANT**—For house or greenhouse culture without artificial heat, late spring and summer are best, but they may be planted at any time of the year if a minimum temperature of 65° F. can be maintained. Best results seem to be obtained with a temperature of 70 to 90° F., but higher temperatures in the glasshouse during the day do not harm them if they are kept moist. The seed pans should never be allowed to become dry, but do not keep them standing in water all the time.

**SOIL FOR SEED**—Sift equal parts of well rotted leaf-mold and sand through a one-fourth inch mesh screen. (IMPORTANT—Do not use a finer screen thinking to make a softer bed for the dainty seedlings, as the soil must be kept ventilated by the coarse particles.) Place some coarse gravel, mortar or broken brick about an inch deep at the bottom to insure drainage. Also have some holes in the bottom of the container. Shallow pots, nursery flats or cans may be used. The one pound coffee can is ideal for two or three hundred seeds.

**SOW THE SEED** thickly on top and cover with coarse sand or small gravel, about  $\frac{1}{8}$  to  $\frac{1}{4}$  inch deep. Crushed grit such as the poultry feed houses supply is ideal as the dust and finer particles are removed and the seeds must have air. *Do not cover with soil* as the seeds will remain dormant or smother and decay. For very small seed such as Mamillarias the gravel covering may be put on first and the seed allowed to settle between the crevices. This is the way they are grown in nature.

**WATERING**—After seeds are sowed place container in a pan of water until moisture appears on top. Then remove and water thereafter by sprinkling lightly from the top. The covering used must be coarse enough to be undisturbed by light sprinkling. The seed must be kept moistened until germination takes place which is about four days to two weeks. Some slower kinds will germinate after several weeks. It may be well to sterilize the soil before planting with boiling water to kill insects and fungi. If mold or "damping-off" fungus appears spray with a good fungicide. Do not keep in direct sunlight, but give moderate light after seedlings appear.

**TRANSPLANTING** may begin when first spines appear, but if the seedlings are not crowded they may be left until about pea-size or one-half inch high. Use same soil as above with the addition of good garden soil. Equal parts of leaf-mold, sand and loam is a good mixture. Add a little charcoal and place some of the gravel used for covering seed on top around the seedlings after they have been transplanted.

*Some seeds are very limited in our stock. Please list a few alternate selections in case some kinds ordered are sold out, or permit us to make substitutions.*

## CACTI AND SUCCULENT SEED

The following seed can be supplied at 10c per packet except where otherwise noted.

Orders for seed amounting to \$1.00 or more are prepaid. Please include a 3c stamp with smaller orders.

ACANTHOCALYCIUM  
*violaceum*

ACANTHOCEREUS  
*pentagonus*

AREQUIPA  
*leucotricha*

## CACTUS SEED—Continued

ARTHROCEREUS		Echinopsis—continued	HOMALOCEPHALA
<i>mirabilis</i>		<i>splendora</i> hyb.	<i>texensis</i>
ASTROPHYTUM		<i>tubiflora</i>	LEMAIREOCEREUS
<i>capricorne aurea</i>		EPIPHYLLUM HYBRIDS	<i>chlorocarpus</i> —heavy spined
<i>capricorne senilis</i>		<i>Ackermannii</i>	<i>chlorocarpus</i> var.—small spined
<i>myriostigma coahuilense</i>		<i>A. D. Houghton</i>	<i>laetus</i>
<i>myriostigma columnaris</i>		<i>Autumn</i>	<i>marginatus</i>
<i>myriostigma potosina</i>		<i>Deutsche Kaiserin</i>	LEUCHTENBERGIA
<i>myriostigma tamaulipensis</i>		<i>Eden</i>	<i>principis</i>
<i>myriostigma tetragona</i>		<i>Flor del Sol</i>	LOBIVIA
<i>ornatum</i>		<i>Hans Rehm</i>	<i>aurea</i>
BERGEROCACTUS		<i>Joseph de Laet</i>	<i>backebergii</i>
<i>emoryi</i>		<i>Oriole</i>	<i>breviflora</i>
BORZICACTUS		<i>Rosetta</i>	<i>cylindrica</i>
<i>humboldtii</i>		<i>Rotkappchen</i>	<i>densispina</i>
CARNEGIEA		<i>Scarlet Giant</i>	<i>famatinensis</i>
<i>gigantea</i>		<i>Strictum</i>	<i>famatinensis</i> var. <i>nigra</i>
CEPHALOCEREUS		<i>Tulip</i>	<i>famatinensis</i> var. <i>setosa</i>
<i>senilis</i>		<i>Vive Rouge</i>	<i>bermanniana</i>
CEREUS		<i>Viviana</i>	<i>bertrichiana</i>
mixed and hybrids		Seed of Epiphyllum hybrids do not	<i>huascha</i> var. <i>rubra</i>
<i>monstrosus</i>		reproduce true to the seed parent,	<i>pentlandii</i>
CLEISTOCACTUS		but many new and interesting varieties may originate. The name given	<i>sp. nova</i> (Argentina)
<i>aureispinus</i>		here is of the plant which bore the	<i>rebutoides</i> hyb.
<i>baumannii</i>		fruit, the pollen parent being selected by the bees.	LOPHOPHORA
CORYPHANTHA		ERIOCEREUS	<i>williamsii</i>
<i>echinus</i>		<i>bonplandii</i>	LOXANTHOCEREUS
<i>elephantidens</i>		<i>guelichii</i>	<i>acranthus</i>
<i>georgii</i>		<i>jusbertii</i>	MALACOCARPUS
<i>muehlenpfordtii</i>		<i>martinii</i>	<i>corynoides</i>
<i>neo-mexicana</i>		<i>pomanensis</i>	<i>vorwerckianus</i>
<i>pallida</i>		<i>tortuosus</i>	MAMILLARIA
ECHINOCACTUS		<i>wislizenii</i>	<i>albida</i>
<i>horizontalinus</i>		ESPOSTOA	<i>barbillensis</i>
<i>ingens</i>		<i>lanata</i>	<i>bocasana</i>
ECHINOCEREUS		FACHEIROA	<i>bodekeriana</i>
<i>albispinus</i>		<i>blossfeldiora</i>	<i>calacantha</i>
<i>amoenus</i>		FEROCACTUS	<i>campotricha</i>
<i>bonkerae</i>		<i>covillei</i>	<i>caput-medusae</i>
<i>boyce-thompsonii</i>		<i>grandis</i>	<i>carnea</i>
<i>chisoensis</i>		<i>leontei</i>	<i>celsiana</i>
<i>ebrenbergii</i>		<i>viridescens</i>	<i>centricirrha</i>
<i>engelmannii</i>		<i>wislizeni</i>	<i>compressa</i>
<i>fendleri</i>		FRAILEA	<i>dealbata</i>
<i>melanocentra</i>		<i>dadakii</i>	<i>dolichocentra</i>
<i>octacanthus</i>		<i>gracillima</i>	<i>densispina</i>
<i>pentalophus</i>		<i>grabiana</i>	<i>durispina</i>
<i>rectispinus</i>		<i>pumila</i>	<i>elegans</i>
<i>rectispinus robustus</i>		<i>schlinzkyana</i>	<i>elongata</i> var. <i>stella aurata</i>
<i>rigidissimus</i>		GYMNOCALYCIMUM	<i>elongata</i> var. <i>rufocrocea</i>
<i>subinermis</i>		<i>anisitsii</i>	<i>haageana</i>
ECHINOMASTUS		<i>fleischerianum</i>	<i>heeseana</i>
<i>erectoconcrus</i>		<i>gibbosum</i>	<i>heyderi</i>
<i>intertextus</i>		<i>mihanovitchii</i> hyb.	<i>hidalgensis</i>
ECHINOPSIS		<i>multiflorus</i>	<i>karwinskiana</i>
<i>ancistrophora</i>		<i>queblianum cristatum</i>	<i>lloydii</i>
<i>campylacantha</i>		<i>rhodanthemum</i>	<i>longicoma</i>
<i>cascade</i>		<i>saglione</i>	<i>magnimamma</i>
<i>fiebrigii</i> hyb.		<i>stuekertii</i>	<i>martinezii</i>
<i>hamatacantha</i>		<i>urselianum</i>	<i>melanocentra</i>
<i>huottii</i>		<i>venturianum</i>	<i>mystax</i>
<i>leucantha</i>		HAAGEOCEREUS	<i>nigra</i>
<i>makla</i> hyb.		<i>australis</i>	<i>orcuttii</i>
<i>polyancistra</i>		HAMATOCACTUS	<i>parkinsonii</i>
<i>pseudo-lobiviooides</i>		<i>sei spinus</i>	<i>perabella</i>
<i>rhodotricha</i> var. <i>argentiensis</i>		HARRISIA	<i>per bella lanata</i>
<i>rhodotricha</i> var. <i>robusta</i>		<i>gracilis</i>	<i>pfeifferi</i>
<i>salm-dyckianus</i>		<i>nashii</i>	<i>pringlei</i>
<i>silvestrii</i>			<i>pseudo-per bella</i>
			<i>rhodantha chrysacantha</i>

## CACTUS and SUCCULENT SEED—Continued

<i>Mamillaria</i> —continued		PARODIA	ANACAMPSEROS
<i>saefera</i>		<i>aureispina</i>	<i>arachnoides</i> , pkt., .10
species similar to <i>elegans</i>		PENIOCEREUS	<i>telephastrum</i> , pkt., .10
<i>standleyi</i>		<i>greggii</i>	CHEIRIDOPSIS
<i>vaupelii</i>		PILOCEREUS	<i>velutina</i>
<i>rievbeckii</i>		<i>euphorbioides</i>	CLEISTOYUCCA
<i>wildii</i>		PYRRHOCACTUS	<i>arborescens</i>
<i>winteriana</i>		<i>borridus</i>	EUPHORBIA
<i>zeyheriana</i>		<i>soebrense</i>	<i>meloformis</i> , 2 seeds, .20
MELOCACTUS		RATHBUNIA	FAUCARIA
<i>babensis</i>		<i>alamensis</i>	<i>boscheana</i> hyb.
<i>intortus</i>		REBUTIA	<i>coronata</i> hyb.
<i>lemairei</i>		<i>salmonea</i>	<i>booleae</i> hyb.
MONVILLEA		STENOCACTUS	<i>reynelveldiae</i> hyb.
<i>cavendishii</i> hyb.		<i>bastatus</i>	<i>superba</i> hyb.
<i>lauterbachii</i> hyb.		<i>violaceiflorus</i>	<i>tigrinii</i> hyb.
<i>rhipidacantha</i> hyb.		THELOCACTUS	<i>tuberculata</i> hyb.
<i>spiegazzinii</i> hyb.		<i>bicolor</i> var. <i>schottii</i>	GASTERIA
NEOBESSEYA		<i>hexaedrophorus</i>	mixed, pkt., .10
<i>similis</i>		<i>lophothelae</i>	PLEIOSPILOS
NEOLLOYDIA		<i>pbymatothele</i>	<i>bolusii</i> , pkt., .10
<i>beguinii</i>		TRICHOCEREUS	<i>nelii</i> , pkt., .10
<i>beguinii</i> <i>senilis</i>		<i>candicans</i>	<i>simulans</i> , pkt., .10
<i>rhipidacantha</i>		<i>pachanoi</i> —spineless	STAPELIA
NEOPORTERIA		<i>pachanoi</i> var.—big spined	<i>grandiflora</i>
<i>atrispinosa</i>		<i>pasacana</i>	MIXED SEEDS
<i>fusca</i>		<i>santiaguensis</i>	10c PER PACKET
<i>heteracantha</i>		<i>spachianus</i>	<i>Astrophytum</i>
<i>napina</i>		<i>thelegonus</i>	<i>Cereus</i>
<i>nigricans</i>		<i>thelognoides</i>	<i>Coryphantha</i>
<i>senilis</i>		TOUMEYA	<i>Echinocactus</i>
NOTOCACTUS		<i>papyracanthus</i>	<i>Echinocereus</i>
<i>apricus</i>		WILCOXIA	<i>Echinopsis</i>
<i>concinus</i>		<i>senilis</i>	<i>Epiphyllum</i>
<i>floricomus</i>		SUCCULENT SEED	<i>Eriocereus</i>
<i>graessneri</i>		AGAVE	<i>Ferocactus</i>
<i>linkii</i>		<i>ferox</i>	<i>Frailea</i>
<i>mammulosus</i> var. <i>pampaeanus</i>		<i>imperialis</i>	<i>Gymnocalycium</i>
<i>scopa</i>		<i>micracantha</i>	<i>Lobivia</i>
<i>submammulosus</i>		<i>victoria-reginae</i>	<i>Mamillaria</i>
<i>tabularis</i>		ALOE	Many Species
OPUNTIA		<i>brevifolia</i> , pkt., .10	Mexican
<i>catenigicola</i> from Brazil		<i>hanburyana</i> , pkt., .10	Notocactus
<i>inamoena</i> var. <i>robusta</i> from Brazil		mixed, pkt., .10	Opuntia
<i>palmadora</i> from Brazil		<i>variegata</i> , pkt., .20	Trichocereus
<i>quipa</i> from Brazil			South American
PACHYCEREUS			
<i>pecten-arboriginum</i>			

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*Acanthocalycium violaceum*  
*Astrophytum myriostigma potosina*—"Bishop's Cap"  
*Carnegiea gigantea*—"Arizona Giant"  
*Cephalocereus senilis*—"Old Man Cactus"  
*Cereus monstrosus* hybrid—"Curiosity Plant"  
*Cleistocactus baumannii*—"Scarlet Bugler"  
*Echinocactus ingens*—"Mexican Giant Barrel"  
*Echinocereus rigidissimus*—"Rainbow Cactus"  
*Echinopsis hamatacantha*—"Easter Lily Cactus"  
*Epiphyllum hybrids*—"Orchid Cactus"  
*Eriocereus bonplandii*

*Epostoea lanata*—"Snow Ball Cactus"  
*Hamatocactus setispinus*—"Strawberry Cactus"  
*Lemaireocereus marginatus*—"Organ Pipe Cactus"  
*Lobivia hermanniana*  
*Mamillaria camptotricha*—"Bird's Nest"  
*M. durispina*  
*M. elongata*—"Lady Fingers"  
*M. dolichocentra*—a good grower, red flowers  
*M. martinezii*—A fine one  
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*Trichocereus pasacana*—Argentina Giant

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Literature for the study of cacti is as important as the plants themselves. The fad of the 80's was short-lived because there was no reading matter in the English language and the few foreign books were all too scientific for the amateur. American botanists have carried on where the German botanist, Alwin Berger, left off and to-day this country leads in the finest collections of cacti and in the publication of cactus literature. During the months when cacti are dormant there is no better time for the study of these interesting plants. An understanding of the habits of cacti will have a marked effect on the cultural results.

**CACTI FOR THE AMATEUR**—Haselton. Tells the beginner what cacti he can grow and furnishes complete, illustrated cultural information. Tells where to obtain plants and seed, and what literature is available. This hand-book of cacti answers the following questions: How can I grow cacti? What cacti will flower? How do I start collection? Which kinds are most desirable? Where can they be obtained? Can I grow them from seed? How can I graft cacti? Can cacti be watered? Will cacti grow in cold climates? How can I know their names? Where can I read about cacti? And hundreds of other questions. Price \$1.05 paper cover, \$1.55 board bound, \$2.05 cloth, postpaid.

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